

Table 2F-8. Wind Tunnel Calibration of Three-Dimensional Probe

Wind Tunnel Facility: _____

Wind Tunnel Location: _____

Probe Type: _____

Probe ID: _____

Probe Calibration Date: _____

Test Location: _____

Calibration Pitot Tube Coeff. (C_p): _____Ambient Temperature ($^{\circ}$ F): _____Barometric Pressure (P_{bar}): _____

| Velocity Setting (ft/sec) | Pitch Angle | Calibration Pitot Tube | | Tested Probe | | | Calc. F_1 | Calc. F_2 |
|---------------------------------|----------------|------------------------------------|--------------------------|----------------------------|----------------------------|---------------------------|-------------|-------------|
| | | ΔP_{std} (in. H_2O)* | Temp. ($^{\circ}$ F) | P_1-P_2 (in. H_2O) | P_4-P_5 (in. H_2O) | Yaw Angle (degrees) | | |
| | -30 $^{\circ}$ | | | | | | | |
| | -25 $^{\circ}$ | | | | | | | |
| | -20 $^{\circ}$ | | | | | | | |
| | -15 $^{\circ}$ | | | | | | | |
| | -10 $^{\circ}$ | | | | | | | |
| | -5 $^{\circ}$ | | | | | | | |
| | 0 $^{\circ}$ | | | | | | | |
| | 5 $^{\circ}$ | | | | | | | |
| | 10 $^{\circ}$ | | | | | | | |
| | 15 $^{\circ}$ | | | | | | | |
| | 20 $^{\circ}$ | | | | | | | |
| | 25 $^{\circ}$ | | | | | | | |
| | 30 $^{\circ}$ | | | | | | | |

* Calibration pitot tube measurements must, at a minimum, be taken before the tested probe reading at the first pitch angle setting, and after the tested probe reading at the last pitch angle setting in each replicate. See section 10.6.11.

Table 2F-9. Calibration Log for Three-Dimensional Probe

Probe ID: _____

Probe Type: _____

Probe Calibration Date: _____

Test Location: _____

Nominal Velocity: _____

| Pitch Angle | Average of All Repetitions | | Number of Repetitions |
|----------------|----------------------------|----------------|--------------------------|
| | F ₁ | F ₂ | |
| -35° | | | |
| -30° | | | |
| -25° | | | |
| -20° | | | |
| -15° | | | |
| -10° | | | |
| -5° | | | |
| 0° | | | |
| 5° | | | |
| 10° | | | |
| 15° | | | |
| 20° | | | |
| 25° | | | |
| 30° | | | |
| 35° | | | |

[36 FR 24877, Dec. 23, 1971]

EDITORIAL NOTE: For FEDERAL REGISTER citations affecting part 60, appendix A see the List of CFR Sections Affected, which appears in the Finding Aids section of the printed volume and on GPO Access.